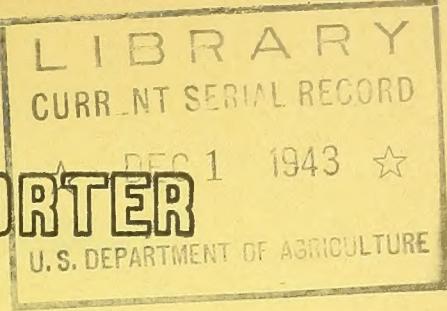


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# THE PLANT DISEASE REPORTER



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Division of Mycology and Disease Survey

BUREAU OF PLANT INDUSTRY

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Supplement 134

A Revised Check List of the Parasitic Fungi  
on Cereals and Other Grasses in Oregon

March 1, 1942



The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.



A REVISED CHECK LIST OF THE PARASITIC FUNGI ON CEREALS  
AND OTHER GRASSES IN OREGON

Roderick Sprague<sup>2/</sup>

Plant Disease Reporter  
Supplement 134

March 1, 1942

The first preliminary list of the diseases of cereals and grasses in Oregon<sup>3/</sup> was issued in 1935 and additions<sup>4/</sup> were added in 1937. These two lists are here combined together with further additions.

Oregon is well adapted to the growing of both cereals and grasses. The State is roughly divided by the Cascade Range into the humid western portion and the drier, semi-arid eastern region. The western portion is again partitioned into a narrow, very humid coastal strip flanked by the low Coast Range dividing the coast area from the wide Willamette Valley where winter rainfall is heavy and summer weather dry. Northward the Willamette drains into the Columbia River which breaks through the Cascade Range from the east. South of the Willamette Valley is a rugged area of valleys and hills extending to the Siskiyou Mountains on the California border. Eastern Oregon is a high plateau of sagebrush and grassland, with the eastern portion featured by the conifer-covered Blue Mountains and granitic Wallowa Mountains. Wheat is extensively grown in central Oregon, and in the vicinity of the Blue Mountains in Union and Umatilla Counties it is the major crop.

Diseases of grasses in Oregon are found throughout the State, but the most serious troubles occur in the humid coastal strip or, during the mild winter months, in the Willamette Valley. The native dry land blue-grasses and bunchgrasses are parasitized by a number of fungi, but the dry season which comes after the spring rains cease is, in general, unfavorable for the development of grass diseases in the interior country. Certain rusts, smuts, rootrots, and powdery mildews, however, are sometimes abundant.

This list is for the purpose of furnishing a ready reference to all known diseases of cereals or grasses in Oregon. During recent years there has been increasing interest in the long-neglected group of grass diseases. While it is realized that many of the fungi listed in this article cannot, from a practical standpoint, be considered in a control program, it is

1/ Cooperative investigations between the Divisions of Cereal Crops and Diseases and Forage Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Oregon Agricultural Experiment Station, contribution from the Department of Botany.

2/ Associate Pathologist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture.

3/ A preliminary check list of the parasitic fungi on cereals and other grasses in Oregon. Plant Disease Reporter 19:156-186. 1935.

4/ Additions to the check list of the parasitic fungi on cereals and other grasses in Oregon (1935-37). Plant Disease Reporter 21:412-422. 1937.

important that a relatively complete list be assembled. A great deal of study must eventually be made to determine their host range, ecology and, where destructive, their control. As mentioned above, the diseases of grasses in the western portion of Oregon, particularly those of bent grasses, need study as they are destructive.

The writer is indebted to all of his colleagues who aided in the earlier lists. C. R. Orton determined the species of Phyllachora. Several of the grasses collected recently were identified by Agnes Chase and others by Helen Gilkey and Garland Powell. George Fischer determined certain species of smuts and rusts.

In citing authority for inclusion of the varicus fungi in this list, the writer wherever possible has again referred to representative collections in the Mycological Collections of the Department of Botany, Oregon State College, Corvallis, Oregon. Otherwise he has referred to specific references in reliable texts or, in a few cases, he has cited the fungi as having been seen and determined but collections not preserved. The collections at Corvallis now contain several thousand specimens of these fungi on Gramineae. A large number of duplicates have been sent to the Mycological Collections of the Bureau of Plant Industry, Washington, D.C., while representative collections also have been sent to Washington State College, Pullman, Washington, and to the University of Idaho, Moscow, Idaho.

The present list includes 677 citations of fungi on separate hosts. Hitchcock (5) was again followed in classification of the grasses and cereals. Varieties except in rare instances were not segregated and the polymorphic group Bromus carinatus, B. marginatus, and B. polyanthus has been included under the one name, B. carinatus.

## LIST OF FUNGI BY HOST PLANTS

Latin name	Host and fungus or disease	Common name	Where found	Literature or specimen <u>a/</u>
	JOINTED GOATGRASS			
<i>AEGILOPS CYLINDRICA</i> Host.	<i>Cercospora</i> <i>herpotrichioides</i>	<i>Cercospora</i> foot rot	Union County	(14)
Fr on				
	LITTLE GOATGRASS			
<i>AEGILOPS CYATA</i> L.	<i>Cercospora</i> <i>herpotrichioides</i>	<i>Cercospora</i> foot rot	Union County	(14)
Fr on				
<i>Puccinia rubigo-vera tritici</i>		Leaf rust	<u>b/</u>	(2)
(Eriks. & Henn.) Carl.				
	BARBED GCATGRASS			
<i>AEGILOPS TRIUNCIALIS</i> L.	<i>Cercospora</i> <i>herpotrichioides</i>	<i>Cercospora</i> foot rot	Union County	(14) 10, 210
Fr on				
	CRESTED WHEATGRASS			
<i>AGROPYRON CRISTATUM</i> (L.) Gaertn.	<i>Ergot</i>		Astoria in plots	3393
<i>Claviceps purpurea</i> (Fr.) Tul.			Astoria in plots	10,495
<i>Epicoccum purpurascens</i> Ehrbg.	Head mold		Wasco County	<u>c/</u>
<i>Fusarium culmorum</i> (W. G. Sm.) Sacc.	Root rot		Wasco & Sherman Co.	<u>c/</u>
<i>F. oxysporum</i> Schl.	Secondary pink root		Moro	7530
<i>Puccinia glumarum</i> (Schm.) Eriks.	Stripe rust		Exp. Sta., Union	Fischer's Collections
& Henn.	Stem smut			
<i>Ustilago hypodytes</i> (Schl.) Fr.				

a/ Numbers in parentheses refer to literature citations at end of text; other numbers not in parentheses refer to specimen numbers in the mycological herbarium of the Department of Botany, Oregon State College, Corvallis, Oregon

b/ Information lacking.

c/ Pure culture isolations made in Oregon by the writer, 1929-40.

ACROPYRON DASYSTACHYUM (Hook.) Scribn. (A. lanceolatum Scribn. & Smith)	THICKSPIKE WHEATGRASS	
	(Downy wheatgrass)	
	Mold	10,809
	Powdery mildew	10,224
	Stem rust	(2, 7)
	Leaf rust	(2, 7)
	Leaf scald	10,054
	Leaf stripe	10,059
	Selenophoma spec. 2e	673
	Celilo Falls	
BEARDLESS WHEATGRASS		
ACROPYRON INERME (Scribn. & Smith) Rydb. (A. spicatum inerme Scribn. & Smith)	Powdery mildew	10,928
	Leaf stripe	Rowena
	Leaf mottle	Rowena
	Selenophoma spec. 2e	
	Celilo Falls	
SLENDER WHEATGRASS		
ACROPYRON TRACHYCAULUM (Link) Malte (A. tenerum Vasey, A. pauciflorum (Schw.) Hitch.)	Ergot	10,693
	Powdery mildew	(W.A.F., 164) <u>q/</u>
	Stem rust	10,692
	Brown stripe rust	10,695
	Leaf stripe	527
	Stripe smut	Fischer's Coll.
	Ustilago striiformis (Westd.) Niessl	
	QUACKGRASS	
	Leaf rot	Corvallis
	Ergot	Hood River
AGROPYRON REPENS (L.) Beauv.		
AGROPYRON REPENS (L.) Beauv.	Bacterium sp.	10,117
	Claviceps purpurea (Fr.) Tul.	10,697
	Helminthosporium tritici-repentis Died.	10,752

q/ Griffiths, D.W. Western American Fungi (exsiccati). (Abbreviated as W.A.F.)

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Warrenton	10,312
<i>Rhynchosporium secalis</i> (Oud.) J.J. Davis	Leaf scald	Corvallis	10,117
<i>Septoria elymi</i> Ell. & Ev.	Leaf mottle	Silver Creek Falls	10,282
<i>Ustilago hypodytes</i> (Schl.) Fr.	Stem smut	& 6 miles N. of Eugene	465
		Hood River	336
 <i>AGRYPYRON SMITHII</i> Rydb.			
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Upper Klamath Lake	10,057
<i>Ustilago hypodytes</i> (Schl.) Fr.	Stem smut	Heppner	10,164
 <i>AGRYPYRON SPICATUM</i> (Pursh.) Scribn. & Smith			
<i>Cladosporium herbarum</i> Lk.	Leaf mold	18 mi. east of Arling- ton	157
 <i>Erysiphe graminis</i> DC.	Powdery mildew	Friend	873
<i>Puccinia glumarum</i> (Schm.) Eriks. & Hem.	Stripe rust	Pendleton	Herb., Univ. of Idaho
 <i>P. pattersoniana</i> Arth.	Patterson's rust	E.Oreg.	(2, 7)
<i>P. rubigo-vera</i> (DC.) Wint.	Leaf rust	Benton County	(2, 7)
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Fossil	10,868
<i>Septoria infusca</i> (Ell. & Ev.) Sprague	Brown leaf blotch	John Day Canyon	658
<i>Urocystis agropyri</i> (Preuss.) Schroet.	Smut	Wasco County	27,001
<i>Ustilago macrospora</i> Desm.	Smut		(4)
 <i>AGRYPYRON SUBSECUNDUM</i> (Link) Hitchc.			
(A. caninum An. Auth.)	Bearded wheatgrass		
<i>Puccinia montanensis</i> Ellis	Brown stripe rust	Hood River	10,252
 <i>AGROSTIS AEQUIVALVIS</i> (Trin.) Trin.			
<i>Puccinia coronata</i> Corda	Bent grass	Silver Creek Park	330
 <i>AGRISTIS ALBA</i> L.	Crown rust		
<i>Claviceps purpurea</i> (Fr.) Tul.	Redtop	Clatsop County	10,317
<i>Darluca filum</i> (Biv.) Cast.	Ergot	Astoria	10,735
<i>Mastigosporium rubricosum</i> (Dearn. & Barth.)	Parasite on crown rust		
<i>Sprague</i>	Red eye spot	Coast region	10,586

Purple leaf speckle	Corvallis, Wells	799
Crown rust	W. Oregon	(2, 7)
Stem rust	Astoria	10, 313
Leaf rot	Corvallis	c/
Leaf scald	Corvallis	798
Leaf scald	Granger	10, 344
Gray leaf speckle	Shedd, Corvallis	(Culture S 113);
		798
		(2)
Jackson's rust	W. Oreg.	
Stripe smut	Monroe, Wells (near)	10, 719
VELVET BENT		
Red eye spot	Astoria in plots	10, 980
Purple leaf speckle	Astoria	119
Crown rust	Astoria in plots	10, 713
Stem rust	Astoria in plots	10, 713
BENT		
Crown rust	Corvallis	
Leaf stripe	Corvallis	
Gray leaf speckle	Corvallis	
THINGRASS		
(Leafy bent)	W. Oreg.	(2, 7)
Crown rust	Mehl Creek (Douglas	
Leaf spot	County)	
SPIKE REDTOP	Warrenton	10, 314
Ergot		
on Puccinia coronata	Clifton	10, 712
Corda	Marion County	10, 507
AGROSTIS EXARATA Trin.		
Claviceps purpurea (Fr.) Tul.		
Derluca filum (Biv.) Cast.		
<u>Erysiphe graminis</u> DC.		
<u>e/</u> This is a unicellular body or cluster of bodies embedded in the leaf. No one has been able to identify them.		
They probably belong near the Chytridiales. Nothing is known of their life history as the bodies have not been seen to germinate although sometimes they are found empty. At times they are very common during moist periods in winter but more often only a few leaves will be found infected on a plant.		

<i>Helminthosporium triseptatum</i> Dreschl.	Leaf spot	Wells, Benton Co.	737
<i>Hendersonia</i> sp.	Leaf spot	Clifton	10,712
<i>Mastigosporium rubricosum</i> (Dearn. & Barth.) Sprague	Red eye spot	Hanchet Creek, Yamhill County	745
<i>Phycomycete</i> Indet. <u>e/</u>	Purple leaf speckle	Clatsop County	456
<i>Puccinia coronata</i> Corda	Crown rust	W. Oreg.	(2, 7)
<i>P. graminis</i> Pers.	Stem rust	Jackson County	(2, 7)
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Union Creek, Hanchet Creek	532
<i>Septoria calamagrostidis</i> (Lib.) Sacc.	Leaf spot	Marion & Lincoln Cos.	10,377
<i>Ustilago striaeformis</i> (Westd.) Niessl.	Stripe smut	Benton & Jackson Cos.	1391
<i>AGROSTIS EXARATA</i> var. <i>AMPLA</i> (Hitchc.) Hitchc.	GIANT SPIKE REDTOP	Lewisburg, Benton Co.	647
<i>Septoria triseti</i> Speg.	Gray leaf speckle		
<i>AGROSTIS HALLII</i> Vasey	WILD BENT		
<i>Phycomycete</i> Indet. <u>e/</u>	Purple leaf speckle	1 mi. west of Summit	91
<i>Rhizoctonia solani</i> Kühn	Leaf rot	Benton County	8489
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Helmick Park	8370
<i>Septogloeaum oxyssporum</i> Bomm., Rouss. & Sacc.	Char spot	Corvallis	8278
<i>Septoria</i> sp.	Leaf spot	Helmick Park	8370
<i>Uromyces jacksonii</i> Arth. & Fromme	Jackson's rust	Benton County	(2, 7)
<i>AGROSTIS SCABRA</i> Willd.	TICKLEGRASS	Upper Klamath Marsh	530
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Cornucopia	(Fischer)
<i>Septogloeaum oxyssporum</i> Bomm., Rouss. & Sacc.	Char spot		
<i>AGROSTIS HOWELLII</i> Scribn.	HOWELL'S BENT	W. fork of Hood Riv.	804
<i>Hendersonia culmicola</i> var. <i>minor</i> Sacc.	Leaf & sheath rot	Coast	(2, 7)
<i>AGROSTIS LONGILIGULA</i> Hitchc.	PACIFIC BENT		
<i>Puccinia coronata</i> Corda	Crown rust		
<i>AGROSTIS PALLENS</i> Trin.	DUNE BENT (Seashore bent)		
<i>Uromyces jacksonii</i> Arth. & Fromme	Jackson's rust	Coast	(7)

AGROSTIS PALUSTRIS Luds.	CREEPING BENT (Seaside bent)	Clatsop County	1C, 316
(A. maritima Lam.)	Ergot	Corvallis	1C, 447
Claviceps purpurea (Fr.) Tul.	Root rot	Willamette Valley	10, 447
Fusarium culmorum (W.G.Sm.) Sacc.	Snow mold	6 mi. S. of Newport	34
F. nivale (Fr.) Ces. &/		6 mi. S. of Newport	39
F. nivale (Fr.) Ces. var. majus V.r.			
Macrophoma sp.	Leaf spot		
Mastigosporium rubricosum (Dearn. & Barth.)			
Sprague	Red eye spot	Coast region, Willamette Valley	1C, 308
Ovularia pulchella (Ces.) Sacc.	Tan leaf spot	Corvallis	10, 131
Phycomycete Indet. e/	Purple leaf speckle	Corvallis, Sunlit	69
Puccinia coronata Corda	Crown rust	W. Ore.	(7)
Rhizoctonia solani Kuhn	Secondary root rot	Corvallis	1C, 447
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot	W. Ore.	c/ 8490
Phaeoseptoria sp.	Leaf spot	6 mi. S. of Newport	39
Septoria triseti Speg.	Gray leaf speckle	Near Newport	16
Tilletia occidentalis Fisch.	Head smut	Coast	8303
Uromyces jacksonii Arth. & Frome	Jackson's rust	Hood River	(7)
Ustilago striaeformis (Westd.) Niessl	Stripe smut	Near Salem	671
AGROSTIS STOLONIFERA L.	BENT		
Mastigosporium rubricosum (Dearn. & Barth.)			
Sprague	Red eye spot	Astoria in plots	8263
AGROSTIS TENUIS Sibth.	COLONIAL BENT (Astoria bent)		
Claviceps purpurea (Fr.) Tul.	Astoria		
Corticium solani (Prill. & Del.) Bourd. & Grlz.	Ergot	Brown pitch	10,029
Darluca filum (Biv.) Cast.	On Puccinia coronata	W. Ore.	c/ 747
Fusarium culmorum (W.G.Sm.) Sacc.	Root rot	W. Ore.	c/ 365
F. nivale (Fr.) Ces.	Snow mold	Corvallis	c/ 10,747
F. nivale Cohl.	Secondary root rot	Corvallis	c/ 10,747
Helminthosporium ctenacrum Drechs.	Leaf blight	Corvallis	
Mastigosporium rubricosum (Dearn. & Barth.)			
Sprague	Red eye spot	Coast region, Willamette Valley	10,585

1/ The cause of the winter "snow mold" of grasses is greatly in need of study both from a control and a taxonomic standpoint.

Phycomycete Indet. e/

Puccinia coronata Corda	Willamette Valley, Coast Region	107; 49; 156
P. graminis Pers.	Astoria	10, 734
Robillarda agrostidis Sprague	Benton County	16, 052
Septoria triseti Spieg.	Corvallis	42
Ustilago striaeformis (Westd.) Niessl.	W. Oregon	10, 483
	Corvallis	18
AGROSTIS VERTICILLATA Vill.	WATER BENT	10, 287
Erysiphe graminis DC.	Powdery mildew	
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	8262
AIRA (See DESCHAMPSIA)		
ALOPECURUS AEQUALIS Sobol.	SHORTAWN FOXTAIL (Little meadow foxtail)	
Scolecotrichum graminis Fckl.	Leaf stripe	
ALOPECURUS GEMICULATUS L.	WATER FOXTAIL	
Scolecotrichum graminis Fckl.	Leaf stripe	
ALOPECURUS PRATENSIS L.	MEADOW FOXTAIL	
Claviceps purpurea (Fr.) Tul.	Ergot	10, 705
Puccinia coronata Corda	Crown rust	10, 291
P. graminis Pers.	Stem rust	10, 706
Rhynchosporium sp.	Leaf scald	10, 275
Scolecotrichum graminis Fckl.	Leaf stripe	10, 275
ALOPECURUS SACCATUS Vasey	PACIFIC MEADOW FOXTAIL	
Puccinia graminis Pers.	Stem rust	Corvallis
AMMOPHILA ARENARIA (L.) Link	EUROPEAN BEACHGRASS	(2, 7)
Cladosporium sp.	Leaf mold	8386

ANTHOXANTHUM ODORATUM L.	SWEET VERNALGRASS	Near Seaside	645
	Cladosporium herbarum Lk.	Leaf mold	
Colletotrichum graminicolum (Ces.) Wils.	Anthracnose	(F.D. Bailey) Tillamook and Multnomah Cos.	8264
	Helminthosporium dematioideum Bubak & Wrob.	Leaf spot	
Phycomycete Indet. <u>e/</u>	Leaf spot	10 mi. S. of Seaside	10,265
	Phyllosticta anthoxanthella Sprague	Leaf blotch	
ARRHENATHERUM ELATIUS (L.) Mert. & Koch.	TALL CATGPASS	Corvallis	21
	Ascochyta graminicola Sacc.	Purple leaf speckle	
Claviceps purpurea (Fr.) Tul.	Ergot	Corvallis	25,979
	Ovularia pulchella (C. C.) Sacc.	Leaf spot	
Puccinia graminis Pers.	Stem rust	Bonnerville	8433
	Scolecotrichum graminis Fckl.	Leaf stripe	
Septogloeaum oxyssporum Bomm., Rouss. & Sacc.	Char spot	Western Oregon	10,293
	Ustilago perennans Rostr.	Head smut	
AVENA BARBATA Brot.	SLENDER WILD OAT	Willamette Valley,	10,132
	Puccinia graminis avenae Eriks. & Henn.	General	
AVENA BYZANTINA C. Koch	RED OAT	Astoria	c/ 10,136
	Ascochyta sp.	Scattered in coast	
Erysiphe graminis DC.	White leaf spot	region	10,243
	Powdery mildew	W. Oreg. & Moro	
Fusarium culmorum (W.G. Sm.) Sacc.	Root rot	Coast	g/ 7212
	Secondary root rot	Lincoln County	
F. oxysporum Schl.	Head blast	Curry & Marion Cos.	g/ 8308
	Leaf spot	Astoria, Willamette	
F. poae (Px.) Wr.	Root rot	Valley	c/ 10,115
	Take-all		
Helminthosporium avenae Eidam	Red leather leaf		10,112
	H. sativum P.K. & B.		
Ophiobolus graminis Sacc.	Ophiobolus graminis Sacc.		7600
	Pseudodiscosia avenae Sprague & Johnson		
			8266 (12)

Puccinia coronata	Corda	Crown rust	Coast	W. Oregon	g/	10,032
P. graminis Pers.		Stem rust	Lincoln & Lane Cos.	(9)		
Rhizoctonia solani Kühn		White foot rot	W. Oregon	1820		
Septoria tritici Rob. f. avenae (Desm.) Sprague		Leaf blotch	Scattered			
Ustilago avenae (Corda) Jens.		Loose smut				
Ustilago kollerii Wille (U. levis (Kell & Sw.) Magn.)	Covered smut		General	1820		
AVENA FATUA L.		WILD OAT	Corvallis, Mosier	1101		
Erysiphe graminis DC.		Powdery mildew	Linn County	48		
Fusarium culmorum (W.G.Sm.) Sacc.		Root rot	W. Oregon	e/		
Helminthosporium avenae Eidam		Leaf spot	Lincoln County	7537		
Puccinia coronata Corda		Crown rust	Willamette	(2, 7)		
P. graminis Pers.		Stem rust	Lincoln County	10,477		
Rhizoctonia solani Kühn		White foot rot	Benton, Lincoln & Coos Counties	10,031		
Septoria tritici Rob. f. avenae (Desm.) Sprague		Leaf blotch				
AVENA NUDA L.		NAKED OATS	Astoria in plots	10,718		
Puccinia coronata Corda		Crown rust	Astoria in plots	10,718		
P. graminis avenae Erikss. & Henn.		Stem rust				
AVENA SATIVA L.		OAT	Corvallis			
Bacterium striafaciens Elliott [Phytomonas s. Bergey et al.]		Bacterial stripe blight	Wasco County			
Cercospora herpotrichioides Fron		Foot rot	Lincoln County			
Colletotrichum graminicolum (Ces.) Wils.		Anthracnose	Scattered			
Erysiphe graminis DC.		Powdery mildew	Willamette Valley			
Darluca filum (Biv.) Cast.		on Puccinia graminis	W.Oreg. & Morrow			
Fusarium culmorum (W.G.Sm.) Sacc.		Root rot	Hood River, Astoria,			
F. poae (Pk.) Wr.		Head blast	and Warrenton			
Helminthosporium avenae Eidam		Leaf spot	W. Oregon	10,355		
H. sativum P.B. & K.		Root rot	Lincoln County	e/ 10,116		
Heterosporium avenae Oud.		Leaf mold	Forest Grove	10,114 (13)		
Ophiobolus graminis Sacc.		Take-all	Marion County	10,452		
Pseudodiscosia avenae Sprague & Johnson		Red leather leaf	Western, Oregon	10,160		
				(12) 10,045		
					H	

<i>Puccinia coronata</i> Corda	W. Oreg.	(2, 7)
<i>P. graminis</i> Pers.	W. Oreg.	(2, 7)
<i>Rhizoctonia scitani</i> Kühn	Lincoln & Lane Cos.	(10) <u>g/</u>
<i>Septoria tritici</i> Rob. f. <i>avenae</i> (Desm.) Sprague	W. Oregon Scattered	(9) 10,035 1064
<i>Ustilago avenae</i> (Corda) Jens.		
<i>U. kolleri</i> Wille (U. <i>levis</i> [Kell. & Sw.])	General	3821
<i>Mcgr.</i>	<i>Wasco, Union, &amp;</i> <i>Umatilla Counties</i>	(11) <u>g/</u>
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Corvallis	10,628
 E. 300 (GENUS INDET.)		
<i>ycosphaerella tulasnei</i> Jacz.	Leaf mold	Corvallis
 AMERICAN SLOUGHGRASS		
 BECKMANNIA SYZIGACHNE (Steud.) Fern.	Stem rust	Corvallis
(B. erucaeformis Am. Auth.)	Leaf stripe	W. Oregon
<i>Puccinia graminis</i> Pers.	Rust	W. Oregon
<i>Scolecotrichum graminis</i> Fckl.		
<i>Uromyces beckmanniae</i> Jacks.		
 BROMUS ARENARIUS Labill.	AUSTRALIAN CHESS	
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Tygh Ridge (Wasco Co.) 10,085
 CALIFORNIA BROME		
<i>Ascochyta graminicola</i> Sacc. var. <i>diedickeana</i>	Leaf spot	Hood River, Whitson
<i>Baudys &amp; Picb.</i>		10,200
<i>Bacterium coronafaciens</i> <i>atropurpureum</i>		
(Reddy & Godkin [ <i>Phytononas</i> c. <i>atropurpurea</i> ; Magrou])	Chocolate spot	Corvallis
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	S. Benton County
<i>Corticium solani</i> (Prill. & Del.) Bourd. & Galz.	Leaf rot	Hood River
( <i>Rhizocionia solani</i> Kühn)	Parasite on leaf rust	Corvallis
<i>Darluca filum</i> (Biv.) Cast.	Powdery mildew	<i>Wasco &amp; Benton Cos.</i>
<i>Erysiphe graminis</i> DC.	Leaf rot	Mt. Hood
<i>Heterosporium</i> sp.	Purple leaf speckle	Glenwood
<i>Phycomycte</i> Indet. <u>g/</u>	Stripe rust	Medford, Corvallis
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.		
 P. <i>rubigo-vera</i> (DC.) Wint.	Leaf rust	General
 <i>b/</i> Includes <i>B. marginatus</i> and <i>B. polyanthus</i> .		

*Scolecotrichum graminis* Fckl.  
*Septoria jacucella* Sprague  
*Ustilago bullata* Berk.

*BROMUS CATHARTICUS* Vahl.  
(B. *unioloides* H.B.K.)  
*Puccinia rubigo-vera* (DC.) Wint.  
*Ustilago bullata* Berk.

*BROMUS COMMUTATUS* Schrad.  
*Darluca filum* (Biv.) Cast.  
*Puccinia rubigo-vera* (DC.) Wint.  
*Septoria bromi* Sacc.  
*Ustilago bullata* Berk.

*BROMUS ERECTUS* Huds.  
*Bacterium coronafaciens* *atropurpureum*  
Reddy & Godkin [*Phytononas*]

*BROMUS GRANDIS* (Shear) Hitchc.  
*Puccinia rubigo-vera* (DC.) Wint.  
*Ustilago bullata* Berk.

*BROMUS INERMIS* Leyss.  
*Scolecotrichum graminis* Fckl.  
*Ustilago bullata* Berk.

*BROMUS MOLLIS* L.  
(B. *hordeaceus* Am. Auth.)  
*Puccinia rubigo-vera* (DC.) Wint.  
*Septoria bromi* Sacc.  
*Tilletia guyotiana* Har.  
*Ustilago bullata* Berk.

*BROMUS ORCUTTIANUS* Vasey  
*Ophiobolus graminis* Sacc.  
*Scolecotrichum graminis* Fckl.

Leaf stripe General 10,061  
Western leaf spot General 10,372  
Brome smut Scattered 10,521

RESCUE GRASS

Leaf rust Corvallis 10,105  
Brome smut Astoria in plots 10,686

HAIRY CHESS

on *Puccinia rubigo-vera* Corvallis 10  
Leaf rust W. Oregon (2)  
Leaf spot Gen. in Willamette Valley 10,394  
General 1200

ERECT BROME

Chocolate spot Astoria in plots 10,711

TALL BROME

Leaf rust Corvallis (2, 7)  
Brome smut Grant County 10,104  
----- (1)

SMOOTH BROME

Leaf stripe W. Oregon (2, 7)  
Brome smut W. Oregon 10,995  
5 mi. E. of Weston Fischer's coll. 1814

SOFT CHESS

(Soft cheat)  
Leaf rust W. Oregon  
Leaf spot W. Oregon  
Smut 5 mi. E. of Weston  
Brome smut Fischer's coll. 1814

ORCUTT BROME

Take-all Curry County 7599  
Leaf stripe Siskiyou Mts. 10,064

BROMUS PACIFICUS Shear	S. fork of Alsea Riv.	10,678
Puccinia rubigo-vera (DC.) Wint.	Corvallis	10,066
Scoleotrichum graminis Fckl.		
BROMUS RACEMOSUS L.		
Erysiphe graminis DC.	Powdery mildew	10,250
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	
Septoria bromi Sacc.	Leaf spot	(2, 7)
Ustilago bullata Berk.	Brome smut	10,811
BROMUS RIGIDUS Roth.		
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytonemas]	Chocolate spot	10,950
Cercospora bromi Sprague	Gray leaf spot	10,405
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	(2, 7)
Septoria jacucella Sprague	Western leaf spot	424
RIPGUT GRASS		
BROMUS SECALINUS L.		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	(2, 7)
Septoria bromi Sacc.	Leaf spot	10,402 2/ 1821
Ustilago bullata Berk.	Brome smut	
BROMUS SECALINUS L. var. VELUTINUS (Schrad.) Koch	CHESS	10,430
Ustilago bullata Berk.	Brome smut	Corvallis
BROMUS SITCHensis Trin.	ALASKA BROME	
Puccinia glumarum (Schm.) Eriks. & Henm.	Stripe rust	Herb. Univ. of Idaho (2)
P. rubigo-vera (DC.) Wint.	Leaf rust	---
BROMUS STERILIS L.	BARREN CHEAT	10,487
Erysiphe graminis DC.	Powdery mildew	Corvallis
BROMUS TECTORUM L.	DOWNY CHESS (downy brome)	Union & Wasco Cos. Wasco County
Cercospora herpotrichioides Fron.	Cercosporaella foot rot	2/ 2/
Fusarium culmorum (W.G. Sm.) Sacc.	Root rot	

*Puccinia rubigo-vera* (DC.) Wint. (2, 7)  
*Ustilago bullata* Berk. 10, 290  
*Wojnowicia graminis* (McAlp.) Sacc. c/

*BROMUS VULGARIS* (Hook.) Shear NARROW FLOWERED BROME  
*Cercospora bromi* Sprague Gray leaf spot 467

*Darluca filum* (Biv.) Cast. Parasite on leaf rust

*Mastigosporium cylindricum*. Sprague Brown spot 347  
*Puccinia rubigo-vera* (DC.) Wint. Leaf rust 488

*CALAMAGROSTIS CANADENSIS* (Michx.) Beauv. BLUEJOINT  
*Puccinia coronata* Corda Crown rust 488  
*Urocystis agropyri* (Preuss.) Schroet. Smut 222) d/

*CALAMAGROSTIS INEXPansa* A. Gray. NORTHERN REEDGRASS (Narrow spiked reedgrass)  
*Puccinia coronata* Corda Crown rust (2, 7) Astoria

*CALAMAGROSTIS NUTKAENSIS* (Presl.) Steud. PACIFIC REEDGRASS  
*Claviceps purpurea* (Fr.) Tul. Ergot

*Coniothyrium psammæ* Oud. Leaf spot 703  
*Darluca filum* (Biv.) Cast. Parasite on crown rust 10, 817  
*Mycosphaerella tassiana* (DeNot.) Johans. Leaf spot 10, 325; 33  
*Puccinia coronata* Corda Crown rust 10, 817  
*P. pygmaea* Eriks. Rust 33  
*Septoria arctica* Berk. & Curtis Leaf blotch (2, 7)  
*Seaside, (Delmoor Bog)* 709

*CALAMAGROSTIS RUBESCENS* Buckl. FIELD SAND BUR (Burgrass)  
*Cladosporium herbarum* Lk. Smut  
*Colletrotrichum graminicolum* (Ces.) Wils. (Fischer)  
*Sorosporium syntherismae* (Pk.) Farl. (Fischer)

*CENCHRUS PAUCIFLORUS* Benth. Sent to Zundel H  
*Sorosporium syntherismae* (Pk.) Farl. Hermiston

CORTADERIA SELLOANA (Schult.) Aschers. & Graebn. Hendersonia culmiflora Sacc.	PAMPASGRASS Leaf spot	819 Bayview, Lincoln Co.
DACTYLIS GLOMERATA L. Claviceps purpurea (Fr.) Tul. Collectotrichum graminicolum (Ges.) Wils. Erysiphe graminis DC.	ORCHARD GRASS Ergot Anthracnose Powdery mildew Culm canker	10,527 N.W. Oregon Greenhouse, OSC, Corval lis Columbia Gorge; Umatilla County S. fork of Santiam Riv. 679
Fusarium avenaceum (Fr.) Sacc. Macrogliosporium rubricosum (Dearn. & Barth.) Sprague	Purple leaf spot Phytophthora owensii Sprague Phycomycete Indet. e/ Puccinia graminis Pers. Rhynchosporium orthosporum Caldwell Scoleccotrichum graminis Fckl. Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson Stagonospora arenaria Sacc.	10,011 Leaf rot Red leaf speckle Stem rust Leaf scald Leaf stripe Selenophoma speckle Purple blotch Troutdale Wallace Bridge 742
DANTHONIA CALIFORNICA var. AMERICANA (Scribn.) Hitchc. (D. americana Scribn.) Cladosporium sp. (? parasite) Scolecotrichum graminis Fckl. Selenophoma ionacis var. stomaticola (Bauml.) Sprague & Johnson Ustilago residua Clinton	WILD OATGRASS Speckled mold Leaf stripe Catgrass eye spot Smut	10,595 86 (2, 7) 10,124 7591 10,379 2/ 1254
DANTHONIA INTERMEDIA Vasey Pleospora sp.	TIMBER OATGRASS (Mountain oatgrass) Leaf rot	10,101 Mt. Hood
DESCHAMPSIA CAESPIOSA (L.) Beauv. Hendersonia culmiflora var. minor Sacc. Hendersonia sp.	TUFTED HAIRGRASS Leaf spot Leaf rot	51 Corvallis Near Granger, near Corvallis Near Granger Linn County
Phaeoseptoria sp. Scolecotrichum graminis Fckl.	Leaf rot Leaf stripe	809 809 10,673

Septoria poliomela Syd.  
Stagonospora subseriata Sacc.  
Uromyces jacksonii Arth. & Fromme

Tan leaf spot  
Leaf rot  
Jackson's Rust

DESCHAMPSIA DANTHONIOIDES (Trin.) Munro

Scolecotrichum graminis Fckl.  
Septoria poliomela Syd.  
Tilletia airae Blytt

DISTICHLIS STRICTA (Torr.) Rydb.

Dothidella aristidae (S.) Ell. & Ev.  
Fusarium avenaceum (Fr.) Sacc.  
Puccinia graminis Pers.  
Uromyces jacksonii Arth. & Fromme

ECHINOCHLOA CRUS-GALLI (L.) Beauv.

(?) Epicoccum sp.  
Ustilago crus-galli Tracy & Earle

ELYMUS ARENICOLA Scribn. & Smith  
Claviceps purpurea (Fr.) Tul.  
Puccinia procerula Diet. & Holw.  
P. rubigo-vera (DC.) Wint.

ELYMUS CANADENSIS L.  
Claviceps purpurea (Fr.) Tul.  
Puccinia rubigo-vera (DC) Wint.

ELYMUS CONDENSATUS Presl  
Claviceps purpurea (Fr.), Tul.  
Erysiphe graminis DC.

Near Granger  
Corvallis  
Lincoln County

ANNUAL HAIRGRASS

Leaf stripe  
Tan leaf spot  
Smut

SLENDER HAIRGRASS

Parasite on rust  
Parasite on rust  
Stem rust  
Jackson's rust

DESERT SALTGRASS

Char spot  
Rust  
Sheath smut

BARNYARD GRASS

Head mold  
Smut

SAND RYEGRASS

Ergot  
California rust  
Leaf rust

CANADA WILD-RYE

Ergot  
Leaf rust

GIANT WILD-RYE

Ergot  
Powdery mildew

809  
51  
(2, 7)

10,068  
c/  
(4)

332  
332  
(2)  
(2, 7)

332  
332  
(2)  
Willamette Valley

10,508  
(7)  
(2)

1804  
g/

10,694  
(W.A.F. 163) d/  
Union & Umatilla Cos.  
E. Oregon

<i>Heterosporium avenae</i> Oud.	Sherman County	10,230
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Moro	(6) Herb. Univ. <sup>18</sup> of Idaho
<i>P. graminis</i> Pers.	Union County	10,690
<i>P. procera</i> Diet. & Holw.	Fossil	10,123
<i>P. rubigo-vera</i> (DC.) Wint.	E. Oregon	(2, 7)
<i>Septoria infuscans</i> (Ell. & Ev.) Sprague	Sherman, Jefferson, William & Umatilla Cos.	657
<i>Selenophoma donacis</i> (Pass.) Sprague & Johnson	Wasco County	8451
<i>Ustilago hypodytes</i> (Schl.) Fr.	-----	(4)
<i>Leaf blight</i>	-----	-----
<i>Stripe rust</i>	-----	-----
<i>P. graminis</i> Pers.	Stem rust	10,236
<i>P. procera</i> Diet. & Holw.	California rust	10,945
<i>P. rubigo-vera</i> (DC.) Wint.	Leaf rust	10,730
<i>Septoria infuscans</i> (Ell. & Ev.) Sprague	Brown leaf blotch	175
<i>Selenophoma donacis</i> (Pass.) Sprague & Johnson	<i>Selenophoma</i> speckle	8457
<i>Ustilago hypodytes</i> (Schl.) Fr.	Stem smut	88
<i>ELYMUS GLAUCUS</i> Buckl.	BLUE WILD RYE	8448
? <i>Bacterium</i> sp.	Fall Creek	(2, 6, 7)
<i>Cladosporium herbarium</i> (Pers.) Iki.	Troutdale	(2, 7)
<i>Claviceps purpurea</i> (Fr.) Tul.	Benton County	141 <sup>c/</sup>
<i>Darluca filum</i> (Biv.) Cast.	Linn County	10,276
<i>Fusarium avenaceum</i> (Fr.) Sacc.	Bonneville	10,095
Phycomycete Indet. <sup>e/</sup>	Wren	7528
<i>Phylactinia corylea</i> (Pers.) Karst.	Bonneville	<sup>c/</sup> 392
<i>Puccinia glumarum</i> (Schun.) Eriks. & Henn.	Benton County & Crook Cos.	10,392
<i>P. graminis</i> Pers.	W. Oregon	-----
<i>P. rubigo-vera</i> (DC.) Wint.	Scapoose, Corvallis	-----
<i>Rhizoctonia solani</i> Kühn	Linn County	-----
<i>Rhynchosporium secalis</i> (Oud.) J.J. Davis	Linn and Marion Cos.	-----
<i>R. orthosporum</i> Caldwell	Benton County	-----
<i>Scolecotrichum graminis</i> Fckl.	W. Oregon	-----
<i>Septoria elymi</i> Ell. & Ev.	Crater Lake	-----
<i>Selenophoma donacis</i> (Pass.) Sprague & Johnson	Linn County	-----
<i>Stagonospora arenaria</i> Sacc.	Carson (Baker County)	-----
<i>Tilletia elymi</i> Diet. & Holw.	DC Smith	-----
<i>ELYMUS HIRSUTUS</i> Presl	Hairy Seeded WILD RYE	-----
<i>Helminthosporium tritici-repentis</i> Died.	Brown leaf speckle	-----
<i>ELYMUS MOLLIS</i> Trin.	S. fork Santiam River,	646
<i>Claviceps purpurea</i> (Fr.) Tul.	Linn County	-----
<i>Darluca filum</i> (Biv.) Cast.	Warrenton	10,328
<i>Parasite</i> on rust	Warrenton	10,329

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Coast	10,329
<i>Septoria pacifica</i> Sprague	Lincoln & Tillamook Cos.	10,376
<i>Stagonospora subseriata</i> Sacc.	Manhattan, Lake Lytle	707
<i>Tiarospora perforans</i> (Rob.) Höhn.	Tillamook County	10,958
<i>ELYMUS TRITICOIDES</i> Buckl.	BEARDLESS WILD-RYE (Alkali ryegrass)	
Claviceps purpurea (Fr.) Tul.	Ergot	10,689
<i>Puccinia montanensis</i> Ellis.	Brown stripe rust	10,635
<i>P. rubigo-vera</i> (DC) Wint.	Leaf rust	(2, 7)
<i>Septoria elymi-europaei</i> Jaap	Leaf speckle	10,380
<i>S. infuscans</i> (Ell. & Ev.) Sprague	Brown leaf blotch	10,380
<i>Scolecotrichum graminis</i> Fekl.	Leaf stripe	837
<i>ELYMUS VANCOUVERENSIS</i> Vasey	VANCOUVER DUNEGRASS	
<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Astoria
<i>FESTUCA DERTONENSIS</i> (All.) Aschers. & Graben.	FESCUE	
<i>Ophiobolus graminis</i> Sacc.	Take-all	East Corvallis, Linn Co.
<i>Phyllachora sylvatica</i> Sacc. & Speg.	Tar spot	S. fork Alsea River
<i>Septoria tenella</i> Oke. & Ell.	Leaf spot	Roaring River, Linn Co.
<i>FESTUCA IDAHOENSIS</i> Elmer	BLUEGRASS FESCUE (Idaho fescue)	
<i>Puccinia crandallii</i> Pam. & Hume	Rust	Blue Mts.
<i>FESTUCA ELATIOR</i> L.	MEADOW FESCUE	
<i>Cladosporium herbarum</i> (Pers.) Lk.	Leaf mold	Granger
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	Astoria
<i>Puccinia coronata</i> Cda.	Crown rust	Lincoln County
<i>P. graminis</i> Pers.	Stem rust	Benton and Lane Cos.
<i>P. poae-sudeticae</i> (Westd.) Jørstad	Rust	W. Oregon
<i>FESTUCA MAIREI</i> St. Yves	FESCUE	
<i>Cladosporium herbarum</i> (Pers.) Lk.	Leaf mold	Granger
<i>FESTUCA MEGALURA</i> Nutt.	FOXTAIL FESCUE	
<i>Mycosphaerella</i> sp.	Blight	Benton County
<i>Ophiobolus graminis</i> Sacc.	Take-all	Linn and Benton Cos.
<i>Ovularia pulchella</i> (Ces.) Sacc.	Brown leaf spot	Linn, Benton & Lincoln Cos.
		10,271

Phyllophora sylvatica Sacc. & Speg.	Linn County	10, 491
Puccinia graminis Pers.	Corvallis	(2, 7)
Tar spot		
Stem rust		
FESTUCA MYIROS L.		
Corticium fuciforme (McAlp.) Wak.	RAT TAIL FESCUE	823
Ophiobolus graminis Sacc.	Pink patch	8/
Ovularia pulchella (Ces.) Sacc.	Take-all	10, 125
Puccinia graminis Pers.	Brown leaf spot	
	Stem rust	(2)
FESTUCA CCTOFLORA Wal.	SIXWEEKS FESCUE (slender fescue)	556
Rhizoctonia solani Thom	Brown patch	(4)
Tilletia fusca Ell. & Ev.	Smut	(4)
Ustilago mulfordiana Ell. & Ev.	Smut	-----
FESTUCA OCCIDENTALIS Hook.	WESTERN FESCUE	479
Phyllophora sylvatica Sacc. & Speg.	Tar spot	Mehl Creek, Douglas Co.
FESTUCA PACIFICA Piper	PACIFIC FESCUE	
Puccinia graminis Pers.	Stem rust	(2, 7)
P. piperi Ricker	Piper's rust	
Ustilago mulfordiana Ell. & Ev.	Smut	Eight Dollar Mt. (S. Oreg.) Columbia R.
FESTUCA RUJRA L.	RED FESCUE	1371
Ascochyta graminicola Sacc. var. brachypodii	Leaf spot	Garibaldi
Trail	Eye spot	Halsey
Cercosporaella subulata Sprague	on Rust	Garibaldi, Lake Lytle
Darluca filum (Biv.) Cašt.	Secondary leaf rot	749
Hendersonia sp.	Leaf mold	Near Newport
Hendersonia culicicola var. minor Sacc.	Leaf mold	Corvallis
Mycosphaerella tulipaei Jacz.	Secondary leaf rot	Garibaldi; King's Valley
Phaeoseptoria sp.		8376
Phyllophora sylvatica Sacc. & Speg.	Tar spot	10, 174
Puccinia crandalii Pan. & Hume	Rust	Union, Benton, Tillamook and Lincoln Cos.
(2, 7)		(2, 7)
Septoria tenella Cke. & Ell.	Tan leaf spot	H.A. Rampton



GLYCERIA GRANDIS S. Wats.	AMERICAN MANNAGRASS	Portland	10, C70
Scolecotrichum graminis Fckl.	Leaf stripe	(15)	
Ustilago longissima (Sow.) Tul.	Smut	-----	
GLYCERIA PAUCIFLORA Presl	WEAK MANNAGRASS	N.W. Oreg.	(2, 7)
Puccinia coronata Corda	Crown rust		
GLYCERIA SEPTENTRIONALIS Hitchc.	EASTERN MANNAGRASS	Tillamook	10, 076
Scolecotrichum graminis Fckl.	Leaf stripe		
GLYCERIA STRIATA (Lam.) Hitchc. (Panicularia nervata Kuntze)	FOUL MANNAGRASS	Umpqua Valley	10, 071
Scolecotrichum graminis Fckl.	Leaf stripe	Hoover	10, 177
Septoria necorum Berk.	Leaf spot		
HESPERCHLOA KINGII (S. Wats.) Rydb. (FESTUCA KINGII Cassidy, F. confinis Vasey)	SPIKE FESCUE	S.E. Oregon	(7)
Puccinia crandallii Pan. & Hume	Rust	Benton County	(7) 10, 086
HIEROCHLOE OCCIDENTALIS Buckl. (Torresia macrophylla Hitchc.)	GIANT VILLAGRASS (California sweetgrass)		
Puccinia graminis Pers.	Stem rust		
HOLCUS LANATUS L.	VELVET GRASS	W. Oregon	10, 202
Cercospora holci Sprague	Tan leaf spot	Coast Region	1727
Claviceps purpurea (Fr.) Tul.	Ergot	Walport and Hood	
Darluca filum (Biv.) Cast.	Parasite on rust	River	10, 503
Dilophospora alopecuri (Fr.) Fr.	Twist disease	W. Oregon	1229
Helminthosporium triseptatum Drechs.	Leaf mold	Lincoln County	10, 120
Ophiobolus graminis Sacc.	Take-all	Alsea Mts.	10, C12
Ovularia pulchella (Ces.) Sacc.	Red leaf spot	Alsea, Tangent	10, 666
Puccinia coronata Corda	Crown rust	Coast	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	W. Oreg.	(2, 7)
Rhizoctonia solani Kühn	White foot rot	Lincoln Co.	10, 161
Septoria tritici Rob. f. holci Sprague	Leaf blotch	N.W. Oreg.	10, 108
Tilletia holci (West.) Rostr.	Smut	-----	1378
Ustilago striaeformis (Westd.) Niessl	Stripe smut	Willamette Valley	10, 670

HORDEUM DISTICHON L.				
Erysiphe graminis DC.	W. Oreg.	670		
Fusarium culmorum (W.G.Sm.) Sacc.	W. Oreg.	c/		
Puccinia anomala Rostr.	Lincoln & Marion Cos.	7540		
P. graminis Pers.	Corvallis	(2, 7)		
Rhizoctonia solani Kühn	Alsea Valley	c/		
Rhynchosporium secalis (Oud.) J.J.Davis	Linn County	10,273		
Ustilago hordei Lagerh.	Near Dallas, St.			
	Helens	10,756		
HORDEUM GUSSONIANUM Parl.				
Puccinia glumarum (Schm.) Eriks. & Henn.	MEDITERRANEAN BARLEY	(2, 7)		
Rhizoctonia solani Kühn	Stripe rust	Corvallis		
	Leaf rot	Conroy, near Cor-		
		vallis	22	
HORDEUM JUBATUM L.				
Puccinia glumarum (Schm.) Eriks. & Henn.	FOXTAIL BARLEY (Squirrel tail)	(6) 10,074		
Rhynchosporium secalis (Oud.) J.J.Davis	Stripe rust	Paisley		
Uromyces jacksonii Arth. & Fromme	Leaf scald	Corvallis		
Ustilago bullata Berk.	Jackson's rust	Umatilla County		
	Smut	Baker		
		Fischer's coll.		
HORDEUM MURINUM L.				
Puccinia glumarum (Schm.) Eriks. & Henn.	WALL BARLEY (Mouse barley)	Corvallis		
P. hordei Fckl.	Stripe rust	Herb. Univ.		
Rhynchosporium secalis (Oud.) J.J.Davis	Rust	of Idaho		
Ustilago bullata Berk.	Leaf scald	(2)		
	Smut	7534		
		10,050		
HORDEUM NODOSUM L.				
Erysiphe graminis DC.	MEADOW BARLEY	(W.A.F.165) d/		
Puccinia glumarum (Schm.) Eriks. & Henn.	Powdery mildew	Herb., Univ.		
P. graminis Pers.	Stripe rust	of Idaho		
P. hordei Fckl.	Rust	10,732		
Scolecotrichum graminis Fckl.	Leaf stripe	(2)		
Urocystis agropyri (Preuss) Schroet.	Leaf smut	10,676		
Uromyces jacksonii Arth. & Fromme	Jackson's rust	10,749		
Ustilago bullata Berk.	Smut	(2, 7)		
		Central Point &		
		Linn County	10,725	

HORDIUM NOODSUM var. BORREALE (Scribn. & Smith) Hitchc.  
Scolecotrichum graminis Fckl.

NORTHERN MEADOW BARLEY  
Leaf stripe

10,072

Ukiah

HORDEUM VULGARE L.

Bacterium translucens Jones, Johnson, & Reddy [Phytoponas t. Bergy et al.]  
Cercospora herpotrichioides Fron  
Claviceps purpurea (Fr.) Tul.  
Erysiphe graminis DC.  
Fusarium culmorum (W.G.Sm.) Sacc.  
Helminthosporium gramineum Rabh.  
H. sativum L. K. & B.  
H. teres Sacc.  
Mycosphaerella tulasnei Jacz.  
Ophiobolus graminis Sacc.  
Puccinia anomala Rostr.  
P. glumarum (Schm.) Eriks. & Henn.  
P. graminis Pers.  
Rhizoctonia solani Kühn

Rhynchosporium secalis (Oud.) J.J.Davis  
Septoria passerinii Sacc.  
Ustilago hordei Lagerh.  
U. nuda Rostr.  
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.

KOELLERIA CISTATA (L.) Pers.  
Puccinia koeleriae Arth.  
P. monoica (Wk.) Arth.  
Septoria calanagrostidis (Lit.) Sacc.  
var. koeleriae (Cocc. & Mor.) Spp.

LOLIUM MAISCHALLII Stev.  
Cularia pulchella (Ces.) Sacc.

BARLEY

Bacterial blight  
Cercospora foot rot  
Ergot  
Powdery mildew  
Root rot  
Stripe  
Root rot  
Net blotch  
Leaf mold  
Take-all  
Leaf rust  
Stripe rust  
Stem rust  
White foot rot

Corvallis  
Wasco & Union Cos.  
Corvallis  
Willamette Valley  
W. Oreg.  
Corvallis  
Coast & E. Oreg.  
Corvallis  
Corvallis, Eugene  
W. Oreg.  
Willamette Valley  
Moro  
Corvallis  
Lincoln, Benton, &  
Lane Counties  
General  
Corvallis  
General  
Corvallis, Pendleton  
10,020  
10,042  
(1) 10,525  
7071  
7C70  
Wasco & Union Cos.  
(11) 2

RYEGRASS  
Gray leaf spot

Union County  
Grant County  
Grant, Sherman,  
Benton & Union Cos.  
10,363

10,241

Benton County

LOLIUM MULTIFLORUM Lam. (L. italicum A. Br.) ITALIAN RYEGRASS

Ascochyta lolii (West.) Spr. & John.	Brown leaf spot	W. Oreg.	2/ 10,122
Bacterium corona faciens atropurpureum	Chocolate spot	W. Oreg.	10,550
Reddy & Godkin [Phytononas]	Ergot	W. Oreg.	174,3
Claviceps purpurea (Fr.) Tul.	On Puccinia coronata	Corvallis	e/
Darluca filum (Biv.) Cast.	Root rot	Willamette Valley	(8)
Fusarium culmorum (W.G.Sm.) Sacc.	Leaf rot	Corvallis	10,122
Phytophthora sp.	Crown rust	W. Oreg.	(2, 7)
Puccinia coronata Corda	Stem rust	Tulatin	1357
P. graminis Pers.	Leaf scald	Corvallis & Ft. Yamhill	10,485
Rhynchosporium orthosporum Caldwell	Leaf scald	Corvallis	10,119
R. secalis (Oud.) J.J. Davis	Leaf scald	Corvallis	e/
Scolecotrichum graminis Fekl.	Leaf stripe	Benton County	2/ 452
Septoria tritici Rob. var. lolii (Cast.)	Leaf blotch	W. Oreg.	5207
Sprague & Johnson	Head smut		
Ustilago sp.			
PERENNIAL RYEGRASS (English rye grass)			
Ascochyta graminicola Sacc. var. brachypodii Trail	White leaf spot	Multnomah County	10,239
A. lolii (West.) Sprague & Johnson	Brown leaf spot	W. Oregon	10,219
Bacterium corona faciens atropurpureum	Chocolate spot	Astoria, Corvallis	10,710
Reddy & Godkin [Phytononas]	Ergot	N.W. Oreg.	10,129
Claviceps purpurea (Fr.) Tul.	Anthracnose	Scottsburg	9
Colletotrichum graminicolum (Ces.) Wils.	Brown leaf scorch	Corvallis	10,135
Helminthosporium siiccans Drechs.	Eye spot	Corvallis	e/
Owularia lolii Volkart	Crown rust	N.W. Oreg.	(2, 7)
Puccinia coronata Cda.	Leaf scald	Benton County	10,240
Rhynchosporium orthosporum Caldwell	Leaf stripe	Corvallis	10,040
Scolecotrichum graminis Fekl.	Leaf blotch	Benton & Linn Cos.	2/ 449
Septoria tritici Rob. var. lolii (Cast.)	Stripe smut	Corvallis	7181
Sprague and Johnson			
Ustilago striaeformis (Westd.) Niessl			
NARROW SPIKED RYEGRASS			
Puccinia graminis Pers.	Stem rust	Corvallis	

LOLIUM TEMULENTUM L.	DARNEL	Chocolate spot	Wallace Bridge	10,728
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]				
MELICA BULBOSEA Geyer (M. bella Piper) Scolecotrichum graminis Fckl.	ONIONGRASS	Leaf stripe	Wallowa Mts.	10,075
MELICA SUPULATA (Griseb.) Scribn. Cercosporaella subulata Spr.	ALASKA ONIONGRASS	Leaf blast	Ochoco Nat'l Forest	10,669
MUHLERNBERGIA ANDINA (itt.) Hitchc. (M. comata Thurb.)	FOXTAIL MUHLY	(Hairy Muhlenbergia)	Wallowa County	(2, 7)
Uromyces minimus J.J. Davis	Rust			
MUHLERNBERGIA ASPERIFOLIA (Nees & Mey.) Parodi (Sporobolus asperifolius Nees & Mey.)	SCRATCHGRASS	Baker		
Pylloachora sp.	Tar spot	-----		
Tilletia asperifolia Ell. & Ev.	Smut			
MUHLERNBERGIA RACEMOSA (Michx.) B.S.P. Uromyces minimus J.J. Davis	MARSH MUHLY (Satin grass)	Rust	Wallowa County	(2, 7)
ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker Puccinia scaber (Ell. & Ev.) Barth.	INDIAN RICE GRASS (Indian millet)	Rust	Cellio	8441
Selenophoma donacis var. stomaticola (BaumL.) Sprague and Johnson Ustilago hyoidytes (Schl.) Fr.	Selenophoma speckle Stem smut		Gilliam County Wasco County	803 (Dana) 7617
PANICUM MILLACEUM L.	BROOMCORN MILLET (Proso or hog millet)			
Bacterium panici Elliott [Phytomonas p. Bergey et al.]	Leaf blight	Seaside	Corvallis	10,332 1806
Spizellotheca panici-miliacei (Pers.) Bubak Cercospora fusimaculans Atk.	Smut			
PANICUM PACIFICUM Hitchc. & Chase Cercospora fusimaculans Atk.	PACIFIC PANICUM	Leaf blotch	Mary's Peak	9898 (Zeller)

PHALARIS ARUNDINACEA L.			
<i>Puccinia sessilis</i> Schneid.			
<i>Phaeoseptoria</i> sp.			
<i>Septoria bromi</i> Sacc. var. <i>phalaricola</i>			
Sprague			
PHALARIS TUBEROSA var. STENOPTERA (Hack.) Hitchc.	HARDING GRASS		
<i>Helminthosporium sativum</i> P.K. & B.	Leaf mold	64	
<i>Mycosphaerella tulipae</i> Jacz.	Leaf mold	396	
<i>Puccinia sessilis</i> Schneid.	Rust	10,106	
<i>Rhizoctonia solani</i> Kühn	Leaf spot	64	
<i>Phaeoseptoria</i> sp.	Leaf spot	396	
PHLEUM PRATENSE L.	TIMOTHY		
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	1731	
<i>Heterosporium phlei</i> Gregory	Purple leaf spot	10,744	
<i>Puccinia graminis</i> phlei-pratensis (Eriks. & Henri.) Stak. & Piem.	Stem rust	General	(2, 7)
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	7543	
<i>Ustilago striaeformis</i> (Westd.) Niessl	Stripe smut	General	1694
PHRAGMITES COMMUNIS Trin.	COMMON REED		
<i>Puccinia phragmitis</i> (Schum.) Körn.	Rust	Young's Bay, Astoria 10,683	
<i>Scolecotrichum maculicola</i> Ell. & Kell.	Eye spot	Young's Bay, Astoria 10,683	
PLEUROPOGON REFRACTUS (A. Gray) Benth.	MENDING SEMAPHORE GRASS		
<i>Ascochyta graminicola</i> Sacc. var. <i>brachypodii</i>	Leaf spot	Bergsvik Creek, Clatsop County	197
Trail			
POA AMPLA Merr.	BIG BLUEGRASS		
<i>Puccinia poae-sudeticae</i> (West.) Jørstad	Bluegrass Rust	Hood River	(2)
<i>P. rubigo-vera</i> (DC) Wint.	Leaf rust	Hood River	(2, 7)
<i>Selencophoma donacis</i> var. <i>stomaticola</i> (Bäuml.)		The Dalles	115
Sprague & Johnson			

POA ANNUA L.	Darluca filum (Biv.) Cast.	ANNUAL BLUEGRASS	Corvallis	10,021
		On <i>Puccinia poae-sudeticae</i>		
		Head mold	Warrenton	708
		Black spot leaf smut	W. Oregon	10,238
		Purple speckle	Alderwood St. Pk.	352
		Bluegrass rust	W. Oregon	(2)
		Leaf spot	Corvallis	<u>2/</u> 708
POA BULANDERI Vasey	<i>Puccinia poae-sudeticae</i> (West.) Jørstad	BOLANDER BLUEGRASS	Wallowa Mts.	10,077
		Bluegrass rust		
POA CANBYI (Scribn.) Piper	<i>Erysiphe graminis</i> DC	CANBY BLUEGRASS	Union County	10,078
		Powdery mildew		
POA COMPRESSA L.		CANADA BLUEGRASS	Alsea	10,755
		Leaf mold	On <i>Puccinia poae-sudeticae</i>	
		Black spot leaf smut	Corvallis	10,007
		Leaf spot	Bayview	821
		Bluegrass rust	Benton County	10,264
		Leaf stripe	Corvallis	10,007
			General	10,007
		Leaf blotch	General	10,946
		Tan leaf spot	Corvallis	385
POA GRACILLIMA Vasey	( <i>P. multinomae</i> Piper)	SLENDER BLUEGRASS (Pacific bluegrass)	Horse Tail Falls	10,280
	<i>Ascochyta graminicola</i> Sacc. var. <i>holci</i> Sacc.	Leaf spot	(Multnomah Co.)	<u>2/</u>
		Powdery mildew	Columbia Gorge	
		Leaf spot	7 mi. W. of The	
			Dalles	
		Bluegrass rust	Columbia Gorge	
POA HOWELLII Vasey and Scribn.	<i>Septoria macropoda</i> Pass.	HOWELL BLUEGRASS	Lower Columbia Riv.	10,080
		Leaf spot		

POA JUNCIFOLIA Scribn. (P. brachyglossa Piper)	ALKALI BLUEGRASS	Wasco County	10,229
Erysiphe graminis DC.	Powdery mildew	Near Celilo Falls	145
Fusarium sp.	Leaf rot, crown rot	Wasco County	10,228
Entyloma irregulare Johann.	Black spot leaf smut	Rufus (near)	10,941
Mycosphaerella tassiana (DeNot.) Johans.	Leaf spot	7 mi. W. of The Dalles	130
Phycomycete Indet. e/	Leaf spot	Wasco County	10,244
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust		
Selaphoma donacis var. stomaticola (Baum.) Sprague & Johnson	Selenophoma speckle	Friend, Rufus	10,760
POA KELLOGGII Vasey	KELLOGG BLUEGRASS	Jackson County	10,758
Septoria macropoda Pass.	Leaf spot		
POA LEPTOCOMA Trin.	BOG BLUEGRASS	Whitman Nat'l Forest	10,079
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust		
POA MACRANTHA Vasey	SEASHORE BLUEGRASS	Warrenton	338
Puccinia graminis Pers.	Stem rust	Newport	(2, 7)
P. poae-sudeticae (West.) Jørstad	Bluegrass rust		
POA NERVOSA (Hook.) Vasey	WHEELER BLUEGRASS	Friend	874
Scolecotrichum graminis Fckl.	Leaf stripe		
POA NEVADENSIS Vasey	NEVADA BLUEGRASS	Sene ca; Hart Mts.	10,696
Claviceps purpurea (Fr.) Tul.	Ergot	Blue Mts.	10,355
Septoria macropoda Pass. var. grandis	Sprague Leaf spot		
POA PALUSTRIS L.	FOWL BLUEGRASS	Klamath County	10,102
Erysiphe graminis DC.	Powdery mildew	Klamath County	(2)
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust		
POA PRATENSIS L.	KENTUCKY BLUEGRASS	Near Forest Grove;	
Cercosporaella sp. 1/	Brown eye leaf spot	East Corvallis	453,789

1/ This apparently undescribed species will be described in a subsequent publication. It is apparently not rare in Oregon but obscured by the more prevalent Septoria and Helminthosporium spots.

Corticium vagum	Berk. & Curt. [C. solani]	W. Oregon	10,965
Darluca filum	(Biv.) Cast.	W. Oregon	10,237
Entyloma crastophilum	Sacc.	Lincoln & Benton Co.	10,201
Erysiphe graminis	DC.	Heppner	10,053
Fusarium (?) nivale	(Fr.) Sor.	NW. Oregon S. fork Alsea Riv. & Irish Bend (Benton Co.)	<u>e/</u> , <u>g/</u> , <u>10,665</u>
Gloeosporium graminum	Rostr.	Corvallis	10,121
Helminthosporium vagans	Drechs.	Benton & Linn Cos.	789
Phycomycete Indet.	<u>e/</u>	General	(2, 7)
Puccinia poae-sudeticae	(West.) Jørstad	Corvallis	<u>e/</u>
Rhizoctonia solani	Kühn	W. Oregon	<u>e/</u> 8301
Sepatoria macropoda	Pass. var. septuata	Leaf spot Glume blotch & leaf spot	W. Oregon Corvallis, Lobster Valley
(Gz. Frag.) Sprague		Leaf spot	10,237
S. nodorum	Berk.	Leaf spot	
PCA SECUNDA	BRELLA (Thurib.) Benth.	DESERT ELUEGRASS	10,759
Pleospora karstenii	Berl. & Vogl.	Leaf & culm mold	10,681
Uromyces dactylidis	Ott.	Tar rust	
POA SECUNDA	Presl (P. sandbergii Vasey)	Tygh Ridge Ochoco Nat'l Forest	
Erysiphe graminis	DC.	SANDBERG BLUEGRASS (Desert bluegrass)	
Septoria macropoda	Pass. var. grandis	Powdery mildew	10,226
Rhizoctonia solani	Kühn	Sprague Leaf spot	<u>e/</u> 10,343
POA TRIVIALIS	L.	ROUGH BLUEGRASS	10,330
Helminthosporium	poae	Leaf spot	10,330
Puccinia poae-sudeticae	(West.) Jørstad	Bluegrass rust	<u>e/</u>
Phytophthora	sp.	Leaf rot	
POLYPOGON MUNSPELIENSIS	(L.) Desf.	VASEY'S BLUEGRASS	
Erysiphe graminis	DC.	Secondary leaf rot	872
Phytophthora	sp.	Powdery mildew	114
RABBITFOOT GRASS		Greasy brown spot	872
Powdery mildew			8439
Biggs			

PUCCINELIA DISTANS (L.) Parl. Cladosporium herbarum lk.	EURASIAN ALKALI GRASS Leaf mold	Klamath Falls	807
PUCCINELIA MUNKAENSIS (Presl) Fern. & Weath. Puccinia (?) rubigo-vera (DC.) Wint.	PACIFIC ALKALI GRASS Leaf rust	Klamath Falls	10,082
PUCCINELIA NUTTALLIANA (Schult.) Hitchc. Puccinia rubigo-vera (DC.) Wint.	NUTTALL ALKALI GRASS (Zawadke alkali grass) Leaf rust	Union & Jackson Cos. (7)	
SCRIBNERIA BOLANDERI (Thurb.) Hack. Uromyces jacksonii Arth. & Fromme	SCRIBNER GRASS Jackson's rust	----- (2)	
SECALE CERALE L. Cercosporaella herpotrichioides Fron. Claviceps purpurea (Fr.) Tul. Erysiphe graminis DC. Fusarium culmorum (Sm.) Sacc. F. scirpi var. acuminatum (Ell. & Ev.) Wr. Helminthosporium sativum P.K. & B. Puccinia glumarum (Scm.) Eriks. & Henn. P. graminis Pers. P. rubigo-vera secalis (Eriks.) Carl.	RYE Cercosporaella foot rot Ergot Powdery mildew Root rot Secondary root rot Dry land root rot Stripe rust Stem rust Leaf rust	Wasco & Union Cos. Scattered (1) (3) W. Oregon Wasco & Union Cos. Sherman County Moro ----- Marion, Lincoln, & Linn Counties Corvallis Lincoln County Central Morrow Co. E. Oreg. prairies (1)	(14) 5223 5218 (1) (3) ----- Sent to W.S.C. (11) 2/ (2) 259 257 Sent to W.S.C. 773 10,497
SETARIA ITALICA (L.) Beauv. Cladosporium herbarum Lk. Epicoccum purpurascens Ehrg. Bacterium holci Kendrick [Phytononas h. Bergey et al.]	FOXTAIL MILLET Leaf mold Leaf mold GREEN BRISTLEGRASS Leaf blight	Salem Corvallis Seaside	10,488

SITANION HANSENI (Scribn.) J.G. Smith Ustilago sitanii Fisch.	HANSEN SQUIRRELTAIL Loose smut	Klamath Falls (D.C. Smith)	13,165
SITANION HYSTRIX (Nutt.) J.G. Smith (S. californicum J. G. Smith)	SQUIRRELTAIL (Bottle brush squirreltail)	10,770 (2, 7)	
Ascochyta graminicola Sacc. var. holci Sacc.	Leaf spot	Redmond	
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	N. Powder (Smith)	350
P. pattersoniae Arth.	Rust	E. Oregon	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Echo	10,683
Scolecotrichum graminis Fckl.	Leaf stripe		
Selerochoma denzii var. stomaticola (Bauml.) Sprague & Johnson	Selencionia spot	Mt. Hood (Adlard)	10,770
S. passerinii Sacc.	Leaf & Sheath spot	Mt. Hood Nat'l Forest	2/ 10,382
SITANION JUBATUM J. G. Smith	BIG SQUIRRELTAIL	Redmond	(2, 7)
Puccinia plumariae (Schw.) Eriks. & Henn.	Stripe rust	S. Oregon	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Wasco County	10,163
Scolecotrichum graminis Fckl.	Leaf stripe		
SORGHUM VULGARE Pers.	SCRGHUM	Ashland	1201
Soresporium reilianum (Kühn) McAlp.	Head smut	-----	(15)
Sphacelotheca sorghi (Lk.) Clinton	Kernel smut		
SORGHUM VULGARE var. SUDANENSE (Piper) Hitchc.	SUDAN GRASS	S. Oreg., Eugene	11
Sphacelotheca sorghi (Lk.) Clinton	Kernel smut		
SPOROBOLUS AERIDES Torr.	ALKALI SACATON (Hairgrass dropseed)	Harney County	(2)
Puccinia luxuriosa Syd.	Rust		
STIPA COLUMBIANA var. NELSONI (Scribn.) Hitchc.	COLUMBIA NEEDLEGRASS	Long Creek, Blue Mts.	10,761
Septoria stipinae Died.	Leaf spot		
STIPA COMATA Trin. & Rupr.	NEEDLE AND THREAD	Umatilla & Sherman	(2, 7)
Puccinia stipae Arth.	Rust	Counties	10,084
Scolecotrichum graminis Fckl.	Leaf stripe	Crook County	1368
Ustilago hypodytes (Schl.) Fr.	Stem smut	Umatilla County	

STIPA OCCIDENTALIS Thurb.  
Ustilago hypodytes (Schl.) Fr.

WESTERN NEEDLEGRASS  
Stem smut.

STIPEA CANESCENS Buckl.  
Puccinia coronata Corda  
P. graminis Pers.  
Septoria calamagrostidis (Lib.) Sacc.

STIPEA CANESCENS Buckl.  
Puccinia coronata Corda  
P. graminis Pers.  
Septoria calamagrostidis (Lib.) Sacc.

TRISETUM CANESCENS Buckl.  
Puccinia coronata Corda  
P. graminis Pers.  
Septoria calamagrostidis (Lib.) Sacc.

TALL DOWNY TRISETUM  
Crown rust  
Stem rust  
Leaf spot  
Range

TALL DOWNY TRISETUM  
Crown rust  
Stem rust  
Leaf spot  
Range

TRISETUM CERNUUM Trin.  
Colletotrichum graminicolum (Ces.) Wils.  
Mastigosporum rubricosum (Dearn. & Barth.)  
Sprague

TRISETUM CERNUUM Trin.  
Colletotrichum graminicolum (Ces.) Wils.  
Mastigosporum rubricosum (Dearn. & Barth.)  
Sprague

Puccinia coronata Corda

TRITICUM AESTIVUM L. (T. vulgare Vill.)  
Cercospora herpotrichioides Fron

TRITICUM AESTIVUM L. (T. vulgare Vill.)  
Cercospora herpotrichioides Fron

Claviceps purpurea (Fr.) Tul.  
Erysiphe graminis DC.  
Fusarium culmorum (W.G. Sm.) Sacc.  
F. equiseti (Corda) Sacc.  
F. oxysporum Schle.  
F. scirpi Lamb. & Fautr. var. acuminatum  
(Ell. & Ev.) Wr.

Claviceps purpurea (Fr.) Tul.  
Erysiphe graminis DC.  
Fusarium culmorum (W.G. Sm.) Sacc.  
F. equiseti (Corda) Sacc.  
F. oxysporum Schle.  
F. scirpi Lamb. & Fautr. var. acuminatum  
(Ell. & Ev.) Wr.

Helminthosporium sativum P.K. & B.

Helminthosporium sativum P.K. & B.

Mycosphaerella tulipae Jacz.  
Ophiobolus graminis Sacc.

Mycosphaerella tulipae Jacz.  
Ophiobolus graminis Sacc.

Penicillium sp.  
Puccinia glumarum (Schm.) Eriks. & Henk.  
P. graminis Pers.

Penicillium sp.  
Puccinia glumarum (Schm.) Eriks. & Henk.  
P. graminis Pers.

Steins Mts.  
(4); (W.A.F.  
236) g/

Silver Creek Falls 271  
Astoria 10,294  
Cascade Mts. & Coast  
Range 8498

Silver Creek Falls 271  
Astoria 10,294  
Cascade Mts. & Coast  
Range 8498

ODDING TRISETUM  
Anthracose

ODDING TRISETUM  
Anthracose

Red eye spot  
Crown rust  
Leaf spot

Red eye spot  
Crown rust  
Leaf spot

WHEAT

WHEAT

Cercospora foot rot Union, Umatilla,  
and Wasco Cos. (14) c/  
-----  
Er got 1209  
Powdery mildew 5066  
Root rot  
Secondary root rot  
Secondary root rot

Cercospora foot rot Union, Umatilla,  
and Wasco Cos. (14) c/  
-----  
Er got 1209  
Powdery mildew 5066  
Root rot  
Secondary root rot  
Secondary root rot

General  
W.Oreg. and Prairies (3)  
General  
General  
General  
General  
General  
Root rot and dry  
land root rot  
Sooty mold  
Take-all  
Coast & E. Oreg.  
Enterprise  
W. Oreg., Hood Riv.  
and Union Counties c/ (1) 10,027  
25,987  
(2, 6, 7)  
(2, 7)

General  
Root rot and dry  
land root rot  
Sooty mold  
Take-all  
Coast & E. Oreg.  
Enterprise  
W. Oreg., Hood Riv.  
and Union Counties c/ (1) 10,027  
25,987  
(2, 6, 7)  
(2, 7)

<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	General	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln, Benton, & Lane Counties	(10) <u>g</u> /10,028
<i>Septoria tritici</i> Rob.	Leaf blotch	General	10,005
<i>Tilletia foetida</i> (Wal.) Liro	Stinking smut	General	(1)
<i>T. caries</i> (DC.) Tul.	Stinking smut	General	(1)
<i>Ustilago tritici</i> Rostr.	Loose smut	Scattered	5096
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco & Union Cos.	(11) <u>g</u> /
<i>TRITICUM DICOCCEUM</i> Schrank		EMER	
<i>Cercosporella herpotrichioides</i> Fron	Cercosporella foc <sup>+</sup> rot	Wasco County	(14) <u>g</u> /
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	<u>g</u> /
<i>Puccinia glumarum</i> (Schm.) Eriks. & Hem.	Stripe rust	McRae	(2, 7)
<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	Wasco County	<u>e</u> /
<i>Septoria tritici</i> Rob.	Leaf blotch	Granger	648
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Wasco & Union Cos.	(11) <u>g</u> /
<i>TRITICUM DICOCCEUM</i> Schrank. var <i>FARRUM</i> Bayle		VERNAL AND KHAPLI EMER	
<i>Septoria tritici</i> Rob.	Leaf blotch	Benton County	10,726
<i>TRITICUM DURUM</i> Desf.		DURUM WHEAT	
<i>Cercosporella herpotrichioides</i> Fron	Cercosporella foot rot	Union & Wasco Cos.	<u>g</u> /, <u>g</u> /
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Union County	<u>g</u> /, <u>g</u> /
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union & Wasco Cos.	<u>g</u> /, <u>g</u> /
<i>TRITICUM MONOCOCCEUM</i> L.		EINKORN	
<i>Cercosporella herpotrichioides</i> Fron	Cercosporella foot rot	Union & Wasco Cos.	<u>g</u> / 10,017
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	<u>g</u> /, <u>g</u> /
<i>TRITICUM POLYSTICUM</i> L.		POLISH WHEAT	
<i>Mycosphaerella tulasnei</i> Jacz.	Leaf rot and blotch	Granger	10,679
<i>TRITICUM SPELTA</i> L.		SPELT	
<i>Cercosporella herpotrichioides</i> Fron	Cercosporella foot rot	Union County	<u>g</u> /, <u>g</u> /
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	<u>g</u> /
<i>Helminthosporium sativum</i> P.K. & B.	Foot rot	Lincoln County	<u>g</u> /
<i>Puccinia graminis</i> Pers.	Stem rust	Lincoln County	7602

P. rubigo-vera tritici (Eriks. & Henn.) Carl. Leaf rust  
Union, Wasco, and Lincoln Counties 7611

Rhizoctonia solani Kühn  
Septoria nodorum Berk.  
S. tritici Rob.  
Ustilago tritici Rosstr.  
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.

TRITICUM TURGIDUM L.  
Septoria tritici Rob.

ZEA MAYS L.  
Epicoccum neglectum Desm. (? Saprophyte)  
Fusarium culmorum (W. G. Sm.) Sacc.  
Helminthosporium turcicum Pass.  
Physoderma zeae-maydis Shaw  
Sorosporium reilianum (Kühn) McAlp.  
Ustilago zea-mays (DC.) Wint.

White root rot  
Leaf spot  
Leaf blotch  
Loose smut  
Secondary root rot

POLLARD WHEAT  
Leaf blotch

MAIZE (Indian corn)  
Leaf rot  
Root rot  
Leaf blight  
Brown spot  
Head smut  
Smut

Alsea Riv. Valley  
Lincoln County  
Lincoln County  
Lincoln County  
Union County

10,680  
Grainer

Benton & Lincoln Cos. 10,008  
(8)  
W. Oregon  
Lincoln County  
Benton County  
Willamette Valley  
(3)  
Owens and  
Zundel

c/  
10,400  
10,365  
f/  
g/

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